

**DECLARATION AND POWER OF ATTORNEY**  
**(Case No. HYZ-041)**

As below-named inventors, we hereby declare that:

Our residences, post office addresses and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**OLIGONUCLEOTIDES SPECIFIC FOR HEPATITIS B VIRUS**

the specification of which (check only one):

☐ is attached hereto.

☒ was filed as United States Patent Application  
Serial No. 08/467,397  
on June 6, 1995  
and was amended  
on \_\_\_\_\_  
(if applicable)

☐ was filed as PCT Patent Application  
Serial No. \_\_\_\_\_  
on \_\_\_\_\_  
and was amended under PCT Article 19  
on \_\_\_\_\_  
(if applicable)

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, Sections 1.56(a) and 1.56(b).

We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me or us on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

**PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS  
UNDER 35 U.S.C. §119:**

<b>COUNTRY</b> (if PCT indicate PCT)	<b>APPLICATION NUMBER</b>	<b>DATE OF FILING</b>	<b>PRIORITY CLAIMED UNDER 35 U.S.C. §119 (YES/NO)</b>
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We hereby claim the benefit under Title 35, United States code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

**PRIOR U.S. APPLICATION OR PCT INTERNATIONAL APPLICATION(S)  
DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. § 120:**

<b>APPLICATION NUMBER</b>	<b>DATE OF FILING</b> (day, month, year)	<b>STATUS: (PATENTED, PENDING OR ABANDONED)</b>
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**POWER OF ATTORNEY:** As named inventors, we hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Mark G. Lappin	Reg. No. <u>26,618</u>
Toby H. Kusmer	Reg. No. <u>26,418</u>
Robert J. Schiller	Reg. No. <u>19,248</u>
David Silverstein	Reg. No. <u>26,336</u>
Ann-Louise Kerner	Reg. No. <u>33,523</u>
Patricia McDaniels	Reg. No. <u>33,194</u>
David F. Crosby	Reg. No. <u>36,400</u>
Victor F. Lohmann, III	Reg. No. <u>33,951</u>
Elizabeth A. Levy	Reg. No. <u>34,375</u>
Richard A. Goldenberg	Reg. No. <u>38,895</u>

the mailing address and telephone number of each of whom is LAPPIN & KUSMER, 200 State Street, (Boston, Massachusetts 02109), and (617) 330-1300, and Darlene A. Vanstone, Reg. No. 35,729, the mailing address and telephone number of whom is Hybridon, Inc., One Innovation Drive, Worcester, Massachusetts 01605 and (508) 752-7000, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Wherefore we petition that letters patent be granted to us for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe our names to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Bruce L. Frank ✓

1-00 Inventor's signature Bruce L. Frank

Date 8/7/95

Residence: 374 Simpson Road, (Marlborough, MA) 01752

Citizenship: United States of America

Post Office Address: 374 Simpson Road, Marlborough, MA 01752

2-00 Full name of second joint inventor: Peter C. Roberts ✓

Inventor's signature Peter C. Roberts

Date 8/6/95

Residence: 18 Concord Street, (Holliston, MA) 01746

Citizenship: United Kingdom

Post Office Address: 18 Concord Street, Holliston, MA 01746

3-00 Full name of third joint inventor: John Goodchild ✓

Inventor's signature John Goodchild

Date 8/8/95

Residence: 150 Ruggles Street, (Westborough, MA) 01581

Citizenship: Great Britain

Post Office Address: 150 Ruggles Street, Westborough, MA 01581

4-00 Full name of fourth joint inventor: J. Charles Craig ✓

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Residence: 54 Uplands, (Welwyn Garden City, Herts) AL8 7EW, U.K. GBX

Citizenship: United Kingdom

Post Office Address: 54 Uplands, Welwyn Garden City, Herts AL7 7EW, U.K.

500 Full name of fifth joint inventor: John S/Mills ✓

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence: 11 Lowerfield, Welwyn Garden City, Herts AL7 3JT, U.K. GBX  
Citizenship: United Kingdom  
Post Office Address: 11 Lowerfield, Welwyn Garden City, Herts AL7 3JT, U.K.

600 Full name of sixth joint inventor: Andrew Slade ✓

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence: 68 Ludwick Way, Welwyn Garden City, Herts AL7 3QG, U.K. GBX  
Citizenship: United Kingdom  
Post Office Address: 68 Ludwick Way, Welwyn Garden City, Herts AL7 3QG, U.K.

700 Full name of seventh joint inventor: Robert E/Kilkuskie ✓

Inventor's signature Robert E. Kilkuskie Date 8/4/95  
Residence: 40 Ireta Road, Shrewsbury, MA 01545  
Citizenship: United States of America  
Post Office Address: 40 Ireta Road, Shrewsbury, MA 01545

800 Full name of eight joint inventor: Noel A/Roberts ✓

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence: 19 Elliswick Road, Harpenden, Herts AL5 4TP, U.K. GBX  
Citizenship: United Kingdom  
Post Office Address: 19 Elliswick Road, Harpenden, Herts AL5 4TP, U.K.

900 Full name of ninth joint inventor: Raymond Jupp ✓

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence: 29 Digswell Park Road, Welwyn Garden City, Herts AL8 7NW, U.K. GBX  
Citizenship: United Kingdom  
Post Office Address: 29 Digswell Park Road, Welwyn Garden City, Herts AL8 7NW, U.K.

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<b>COUNTRY</b> (if PCT indicate PCT)	<b>APPLICATION NUMBER</b>	<b>DATE OF FILING</b>	<b>PRIORITY CLAIMED</b> <b>UNDER 35 U.S.C. §119</b> <b>(YES/NO)</b>
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Robert J. Schiller	Reg. No. 19,248
David Silverstein	Reg. No. 26,336
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Patricia McDaniels	Reg. No. 33,194
David F. Crosby	Reg. No. 36,400
Victor F. Lohmann, III	Reg. No. 33,951
Elizabeth A. Levy	Reg. No. 34,375
Richard A. Goldenberg	Reg. No. 38,895

the mailing address and telephone number of each of whom is LAPPIN & KUSMER, 200 State Street, Boston, Massachusetts 02109, and (617) 330-1300, and Darlene A. Vanstone, Reg. No. 35,729, the mailing address and telephone number of whom is Hybridon, Inc., One Innovation Drive, Worcester, Massachusetts 01605 and (508) 752-7000, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

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Full name of first joint inventor: Bruce L. Frank

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence: 374 Simpson Road, Marlborough, MA 01752  
Citizenship: United States of America  
Post Office Address: 374 Simpson Road, Marlborough, MA 01752

Full name of second joint inventor: Peter C. Roberts

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence: 18 Concord Street, Holliston, MA 01746  
Citizenship: United Kingdom  
Post Office Address: 18 Concord Street, Holliston, MA 01746

Full name of third joint inventor: John Goodchild

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence: 150 Ruggles Street, Westborough, MA 01581  
Citizenship: Great Britain  
Post Office Address: 150 Ruggles Street, Westborough, MA 01581

Full name of fourth joint inventor: J. Charles Craig

Inventor's signature JC Craig Date 8<sup>th</sup> August, 1995  
Residence: 54 Uplands, Welwyn Garden City, Herts AL8 7EW, U.K.  
Citizenship: United Kingdom  
Post Office Address: 54 Uplands, Welwyn Garden City, Herts AL7 7EW, U.K.

Full name of fifth joint inventor: John S. Mills

Inventor's signature John S Mills Date 8/8/95  
Residence: 11 Lowerfield, Welwyn Garden City, Herts AL7 3JT, U.K.  
Citizenship: United Kingdom  
Post Office Address: 11 Lowerfield, Welwyn Garden City, Herts AL7 3JT, U.K.

Full name of sixth joint inventor: Andrew Slade

Inventor's signature Andrew Slade Date 30/8/95  
Residence: 68 Ludwick Way, Welwyn Garden City, Herts AL7 3QG, U.K.  
Citizenship: United Kingdom  
Post Office Address: 68 Ludwick Way, Welwyn Garden City, Herts AL7 3QG, U.K.

Full name of seventh joint inventor: Robert E. Kilkuskie

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence: 40 Ireta Road, Shrewsbury, MA 01545  
Citizenship: United States of America  
Post Office Address: 40 Ireta Road, Shrewsbury, MA 01545

Full name of eighth joint inventor: Noel A. Roberts

Inventor's signature Noel A Roberts Date 8/8/95  
Residence: 19 Elliswick Road, Harpenden, Herts AL5 4TP, U.K.  
Citizenship: United Kingdom  
Post Office Address: 19 Elliswick Road, Harpenden, Herts AL5 4TP, U.K.

Full name of ninth joint inventor: Raymond Jupp

Inventor's signature Raymond Jupp Date 8/8/95  
Residence: 29 Digswell Park Road, Welwyn Garden City, Herts AL8 7NW, U.K.  
Citizenship: United Kingdom  
Post Office Address: 29 Digswell Park Road, Welwyn Garden City, Herts AL8 7NW, U.K.